

**SCREENING, QUANTITATION AND IDENTIFICATION OF ACTIVE
INGREDIENTS IN NATURAL PRODUCTS**

ABSTRACT OF THE INVENTION

5 This invention provides a method for screening a mixture of
compounds for activity comprising steps of contacting the
mixture with a system which mimics an organ capable of
metabolizing the mixture in an appropriate time to generate
a metabolite; and determining the activity of the generated
10 metabolite. This invention also provides a method for
quantitating a mixture of compounds comprising steps of
contacting the mixture with a system which mimics an organ
capable of metabolizing the mixture in an appropriate time
to generate a metabolite; and determining the activity of
15 the generated metabolite. This invention further provides a
method for identifying an active metabolite from a mixture
of compounds comprising steps of contacting the mixture
with a system which mimics an organ capable of metabolizing
the mixture in an appropriate time to generate a
20 metabolite; and determining the activity of the metabolite
generated. Finally, this invention provides various uses of
this method and the identified metabolite.